



LITHIUM FORKLIFT BATT CHARGER

The high-frequency switching power supply uses full-bridge phase-shift soft-switching technology and advanced digital current sharing technology, which effectively improves the current sharing accuracy and anti-interference, fool-proof operation. It also adopts a new high-efficiency three-phase APFC circuit topology with a power factor greater than 0.99. Real-time information is presented, including running status, voltage, current, and amount of charge.

Features

- PFC+LLC soft switching technology, there is a high input power factor.
- Interact with lithium batt BMS through the CAN communication function.
- Intuitive user interface (UI) with an LCD display, TP, LED indication light, and buttons.
- Intelligent BMS battery management system
- Multiple Protection Including safeguards against abnormal charging of lithium batt.
- Hot-pluggable

Technical Parameter

Model	24V		36V		48V	
DC Output						
Rated Output Power	1.92KW	2.4KW	4.8KW	14.4KW	12KW	32KW
Rated Output Current	80A	100A	100A	300A	150A	200A/REMA plug
Output Voltage Range	16VDC~30VDC	16VDC-32VDC	30VDC~65VDC	30VDC~65VDC	30VDC-100VDC/REMA plug	
Current Adjustable Range	5A~80A	5A-100A	5A~100A	5A-300A	5A-150A	5A-200A/REMA plug
Ripple Wave	≤1%					
Stable Voltage Precision	±0.5%					
Efficiency	Output load ≥ 50%, when rated, the overall efficiency ≥ 92%; Output load<50%, when rated, the efficiency of the whole machine is ≥99%					
Protection	Short circuit, over-current, over-voltage, reverse connection and over-temperature					
AC Input						
Rated Input Voltage Degree	Single phase 220VAC	Single-phase three-wire	3-phase 4-wire 480VAC	3-phase 4-wire 400VAC	3-phase 4-wire 480VAC	3-phase 4-wire 480VAC
Input Voltage Range	90VAC~265VAC	220VAC±15%	384VAC~528VAC	320VAC~460VAC	384VAC~528VAC	384VAC~528VAC
Input Current Range	≤12A	<16A	≤9A	≤30A	≤20A	≤58A
Frequency	50Hz~60Hz					
Power Factor	≥0.99					
Current distortion	≤5%					
Input Protection	Over-voltage, under-voltage, over-current and phase loss					
Working Environment Temperature						
Operating Temperature	-20%~45°C, working normally; 45°C~65°C, reducing output; over 65°C, shutdown.					
Storage Temperature	-40°C ~75°C					
Altitude	≤2000m full load output; >2000m use it in accordance with the provisions of 5.11.2 in GB/T389.2-1993.					
Product Safety & Reliability						
Insulation Strength	IN-OUT:2120VDC	IN-OUT: 2800VDC	IN-OUT: 2200VDC	IN-OUT: 2120VDC	IN-OUT: 2200VDC	IN-OUT: 2200VDC
	IN-SHELL:2120VDC	IN-SHELL: 2800VDC	IN-SHELL: 2200VDC	IN-SHELL: 2120VDC	IN-SHELL: 2200VDC	IN-SHELL:2200VDC
	OUT-SHELL:2120VDC	OUT-SHELL:2800VDC	OUT-SHELL: 1700VDC	OUT-SHELL:2120VDC	OUT-SHELL:1700VDC	OUT-SHELL:1700VDC
Dimensions (L*W*H) (mm)	400×213×278	530×580×390	600x560x430	600x560x430	800×560×430	800×560×430
Weight (kgs)	13.5	35	55	64.5	64.5	85
Others (Optional)						
Output Connector	REMA					
Cooling	Forced air cooling					
Communication	CAN communication					

Product specifications are subject to change without notice.

When it comes to reliability, our lithium batteries won't let you down. Get in touch with your local distributor. Visit www.lithiumbatts.com or talk to one of our Certified ROYCE ENERGY.

Email us: sales@royce-energy.com